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N.R. Gleason, C.J. Jenks, C.R. French, B.E. Bent and F. Zaera, Adsorption and thermal decomposition of n-azopropane on Pt(111) 405 (1998) 238

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A. Barbier, P. Ohresser, V. Da Costa, B. Carriere and J.-P. Deville, Preparation and characterization of Co(10$\bar{1}$0) surfaces 405 (1998) 298

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T. Komeda and Y. Nishioka, Atomic structure of segregated boron on Si(001) surface; scanning tunneling microscopy and cluster model calculation study 405 (1998) 38
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T. Komeda and Y. Nishioka, Atomic structure of segregated boron on Si(001) surface; scanning tunneling microscopy and cluster model calculation study 405 (1998) 38
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L. Wilde, M. Polcik, J. Haase, B. Brena, D. Cocco, G. Comelli and G. Paolucci, Adsorption and temperature-dependent decomposition of SO_2 on Ni(110): an XPS and XAFS study 405 (1998) 215
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M. Akita, N. Osaka and K. Itoh, Infra-red reflection absorption spectroscopic study on adsorption structures of acrolein on polycrystalline gold and Au(111) surfaces under ultra-high vacuum conditions 405 (1998) 172